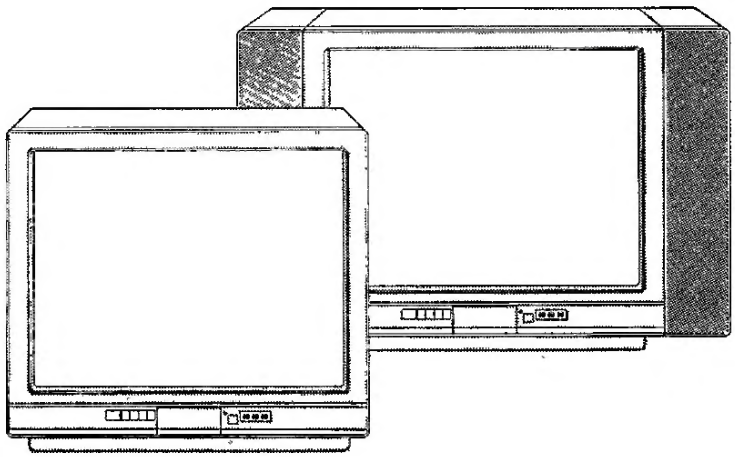
CONSUMER ELECTRONICS

PHILIPS



15GR2636
15GR2730
15GR2736
17GR2646
17GR2740
17GR2746
21GR2650
21GR2656
21GR2750
21GR2756
21GR2651
21GR2657
21GR2751
21GR2757

COLOUR TELEVISION
FARBFERNSEHER
TÉLÉVISEUR COULEUR
KLEURENTELEVISIE
TELEVISORE A COLORI
TELEVISOR EN COLOR
TELEVISÃO A CORES
FARVEFJERNSYN
FARGE-TV
FÄRG-TV
VÄRITELEVISIO
ΕΓΧΡΩΜΗ ΤΗΛΕΟΡΑΣΗ

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Nederlands	**Gebruiksaanwijzing** Pagina 34-44
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Svenska	**Bruksanvisning** Sidan 93-101
Suomi	**Käyttöohje** Sivu 102-110
Ελληνικα	**Οδηγίες χρήσεως** σελίδα 111-119

Write in pencil your TV station (or device) selections here:

No.	TV station/device	No.	TV station/device	No.	TV station/device
0		20		40	
1		21		41	
2		22		42	
3		23		43	
4		24		44	
5		25		45	
6		26		46	
7		27		47	
8		28		48	
9		29		49	
10		30		50	
11		31		51	
12		32		52	
13		33		53	
14		34		54	
15		35		55	
16		36		56	
17		37		57	
18		38		58	
19		39		59	

Table of TV system frequencies

VHF BAND I	
channel	frequency (MHz)
A	45.75
E2	48.25
2A	49.75
B	53.75
E3	55.25
2	55.75
3	60.50
C	61.75
E4	62.25
4	63.75

VHF BAND III	
channel	frequency (MHz)
S1	105.25
S2	112.25
S3	119.25
S4	126.25
C	128.75
S5	133.25
S6	140.25
D	140.75
S7	147.25
E	152.75
S8	154.25
S9	161.25
F	164.75
S10	168.25
D	175.25
E5	175.25
5	176.00
G	176.75
E6	182.25
E	183.25
6	184.00
H	188.75
E7	189.25
F	191.25
7	192.00
E8	196.25
G	199.25
8	200.00

VHF BAND III	
channel	frequency (MHz)
I	200.75
E9	203.25
H	207.25
9	208.00
E10	210.25
J	212.75
i	215.25
10	216.00
E11	217.25
J	223.25
E1A2	224.25
K	224.75
S11	231.25
L	236.75
S12	238.25
S13	245.25
M	248.25
S14	252.25
S15	259.25
N	260.75
S16	266.25
O	272.75
S17	273.25
S18	280.25
P	284.75
S19	287.25
S20	294.25
Q	296.75

UHF BAND	
channel	frequency (MHz)
21	471.25
22	479.25
23	487.25
24	495.25
25	503.25
26	511.25
27	519.25
28	527.25
29	535.25

UHF BAND	
channel	frequency (MHz)
30	543.25
31	551.25
32	559.25
33	567.25
34	575.25
35	583.25
36	591.25
37	599.25
38	607.25
39	615.25
40	623.25
41	631.25
42	639.25
43	647.25
44	655.25
45	663.25
46	671.25
47	679.25
48	787.25
49	695.25
50	703.25
51	711.25
52	719.25
53	727.25
54	735.25
55	743.25
56	751.25
57	759.25
58	767.25
59	775.25
60	783.25
61	791.25
62	799.25
63	807.25
64	815.25
65	823.25
66	831.25
67	839.25
68	847.25
69	855.25

note: Some TV models also receive 300-450 MHz (hyperband).

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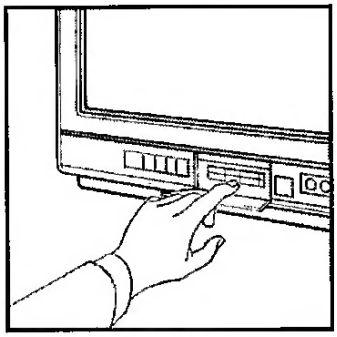
Installing and adjusting the TV

Page 3 to 4

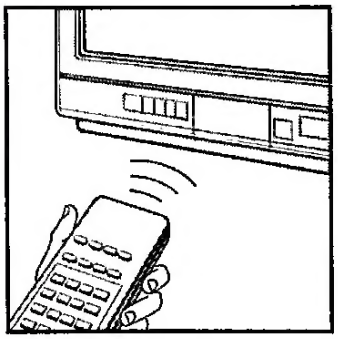


introduction
to install the TV
to connect the TV
to switch the TV on and off
to insert batteries in the remote control handset

to select the system (P/S, PAL-I, SECAM)
to store TV stations on program numbers

Operating the TV

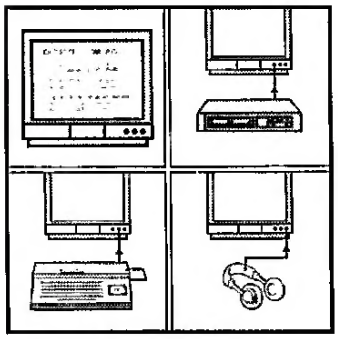
Page 4 to 6



to select TV stations using program numbers
to change the picture and sound eettings
to select protected switch-on mode
to select stend-by mode
to select the sound system (STEREO, DUAL, SPATIAL)
to display picture and sound information

Additional features

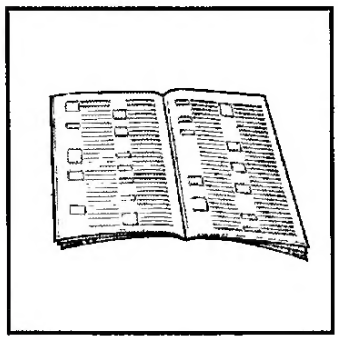
Page 7 to 9



to operete Teletext
to connect a video recorder
to connect other devices
to connect heedphones

General information

Page 10



to store TV stations directly
to fine tune the picture quelity
to change the personal preference velues
to clean the TV screen
feult indicstion
technical specification
table of TV system frequencies (see inside cover)

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Information for users in the UK

(Not applicable outside the UK)

Service for you

Your colour television has been designed and manufactured to the highest standards, and subject to rigorous testing. Provided it is properly operated and maintained it will perform well for many years. However, in complex equipment components can sometimes fail.
The legal responsibility for meeting any in-guerentee service needs for your TV is with the dealer from whom you bought it. Our own Service Oivision – Philips Service – provides your dealer with comprehensive technical advice, and distributes approved spere parts from Service Centres throughout the country. If your dealer has no service facilities, he can arrange for any work to be carried out by a competent third party organisation.
In any event you may expect speedy attention to restore your TV to full working order without delay.

Free service for 12 months:
The deeler from whom the TV wes purchased will arrange for any defect in manufacture or material to be rectified without charge for a period of 12 months from the date of initial consumer sales provided:
- reasonable evidence is supplied that the TV was purchased within 12 months prior to the date of cleim
- the defect is not due to use of the TV on an incorrect voltage or contrary to the Company's Operating Instructions or to accidental damage (whether in transit or otherwise); misuse; neglect; unauthorised or inexpert modification or repair.

The picture tube guarantee is administered by Mullard Limited. In addition to the customary 1 year free tube guerantee, Mullerd will extend the guarantee period by a further 3 years for a nominal fee.
To register your tube guarantee please send:
a) your name and eddress;
b) your set's identity card (which will be returned to you);
c) a cheque/p.o. made out to 'Mullard Ltd' for £ 15.00 if you wish to extend your 1 year guarantee by a further 3 years;
to the following address:

Mullard Limited
Service Department
Free Post
Beddington Lane
Croydon CR9 9AU

Service after 12 months:
Continuing service after 12 months is available in the same way but the service will be chargeable.

These statements do not affect your statutory rights as a consumer.

If you have any question which your dealer cannot answer, please write to:

C.E. Consumer Relations Department
P.O. Box 298
420 London Road
Croydon CR9 3QR

All enquiries and claims can be handled more efficiently if accompanied by the Identity Card printed on the back cover of this booklet – this is provided for your reference and should be kept in a safe place.

Positioning the TV

For the best results, choose a position where light does not fall directly on the screen, and at some distance away from radiators or other sources of heat. Leave a space of at least 3 cm all around the TV for ventilation, making sure that curtains, cupboards etc. cannot obstruct the air flow through the ventilation apertures.
The TV is intended for use in a domestic environment only and should never be operated or stored in excessively hot or humid atmospheres.

Mains connection

Before connecting the TV to the mains, check that the mains supply voltege corresponds to the voltage printed on the type plate on the rear panel of the TV. if the mains voltage is differont, consult your dealer.

Important
The wires in the mains lead are coloured according to the following code.

BLUE = NEUTRAL
BROWN = LIVE

If the mains plug (or adaptor) contains a fuse, the value of this fuse should be 3 Amp. Alternatively, if another type of plug (not fused), is used, the fuse at the distribution boerd should not bo greater than 5 Amp.
If the colours of the wires in the mains lead do not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
The BLUE wire must be connected to the terminal marked 'N' or coloured black.
The BROWN wire must be connected to the terminal marked 'L' or coloured red. Before replacing the plug cover, make certain that the cord grip is clamped over the sheath of the lead – not only over the two wires.

Connecting the loop aerial (if provided)

The loop aerial will give satisfactory reception under good signal conditions. Fix the loop aerial bracket at the mounting-socket located on the back of the TV. Connect the aerial plug to the ⊓ socket on the TV.
If you want to use the TV in conjunction with other equipment which connects to the eeriel socket (such es TV gemos, or a video camera) we recommend that these are connected via a combiner unit to avoid repeated connection and disconnection of the aerial plug.

General Points

Please take note of the section 'General Information' at the ond of the English section in this booklet.

Interference
The Oepartment of Trade and Industry operates a Radio Investigation Service to help TV licence holders improve reception of BBC and IBA programmes where these ere being spoilt by interference. If your dealer cannot help, ask at a main Post Office for the booklet 'How to Improve Television and Radio Reception'.

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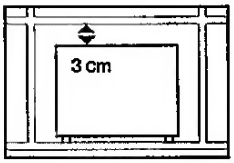
Introduction

If you follow these operating instructions you will quickly learn how to adjust and operate all the functions of your new TV; but always reed and perform the instructions in the sequence shown.

TV - Indicates actions that are performed using the TV buttons or sockets.

- Indicetes actions thet are performed using the remote control hendset.

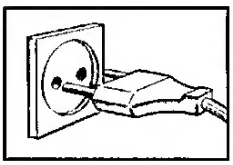
Installing the TV

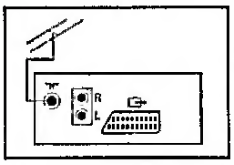


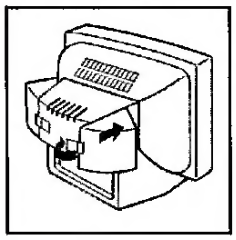
TV To install the TV

- Remove any packaging from the TV.
- Find the remote control handset and indoor aerial (if supplied) within the packaging.
- Piece the TV on e solid bese (e.g. a TV/video cabinet).
- Leave at least 3 cm eround each side of the TV for ventilation.

note: On the bottom of certain TV models ere tilting feet which you can use to position the TV.



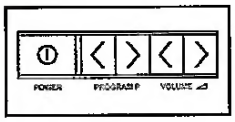




TV To connect the TV

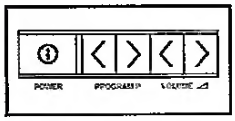
IMPORTANT: The TV is only suitable for a mains voltage of 220/240 V ~ , 50 Hz (Consult your dealer if the mains supply is different).

- Connect the TV to the mains supply socket.
- Fix the indoor eerial at the mounting-socket located et the top left of the reer panel of the TV (unless an outdoor aerial is to be used).
- Connect the aerial plug to the ⊓ socket located at the back of the TV.
- If detacheble loudspeakers are supplied then position the loudspeakers appropriately and connect eech loudspeaker plug; one to the Left socket and one to the Right socket (these sockets can be found et the beck of the TV).
- Make sure thet ell cebles connected to the TV are positioned safely.



TV To switch the TV on

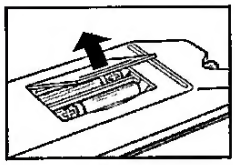
- Press the ⏻ power button located on the front of the TV.
- If the GREEN colour is displayed on the lamp located below the screen then the TV is switched on.
- If the RED colour is displeyed on the lemp located below the screen then you must press the < P or > P program button. The TV will then switch on and the GREEN colour will be displayed on the lemp (for further information refer to the section 'to select stand-by mode').



TV To switch the TV off

- Press the ⏻ power button located on the front of the TV.

(if you want to switch off the TV temporarily refer to the section 'to select stand-by mode'.)



To insert batteries in the remote control handset

- Remove the battery cover loceted on the back of the remote control hendset.
- Insert the two batteries supplied (type LRO3 1.5V).
- Replace the battery cover.

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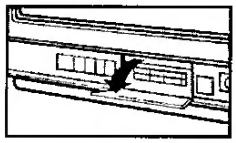
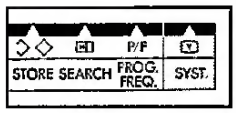
Adjusting the TV



The control buttons needed to select the TV system and store the TV stations ere loceted beneeth the control-panel flap on the front of the TV. You must pull this flap forward to access the control buttons during installation and can close it once any required changes have been made.

- Open the control-panel flap on the front of the TV.

To select the TV system (P/S, PAL-I, SECAM)
(This information only applies if your TV can receive several TV systems.)

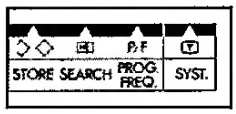


- Press the Y button to select the available systems.

If P/S is displayed on the screen then you have selected the PAL or SECAM B + G system.
If PAL-I is displayed on the screen then you have selected the PAL-I system.
If SECAM is displayed on the screen then you have selected the SECAM L system.

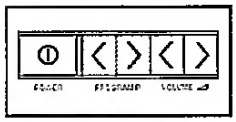
- To change your selection press the Y button egein, until the system you require is displayed on the screen.

To store TV stations on program numbers
(Upto 60 TV stations can be stored on program numbers using the following method.)



1. Press the ◇ ◇ button, so that information is displayed on the screen about the current program number.

2. Press the ⏭ button so that the TV automatically searches until a TV stetion is found and displeyed on the screen. Press this button again if you want to continue searching.



3. Select the required program number (0 to 59) by pressing the 〈 P or 〉 P program button. The selected program number is displayed on the screen.

4. Press the ◇ ◇ button to store this selection. The program number information is now removed from the screen.

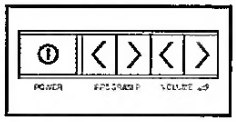
Repeat steps 1 to 4 until all the TV stations you require have been stored on progrem numbers.

- Close the control-panel flep on the front of the TV.

note: You can write your TV station selections in the table provided in the inside cover.

Operating the TV

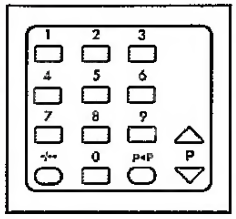
You can now operate your TV either using the remote control handset or directly using the TV buttons.



- Switch on the TV by pressing the ⏻ power button located on the front of the TV.

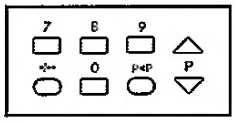
To select TV stetions using program numbers

After the TV is switched on:



To select TV stations using program numbers 0 to 9

- Press the appropriate **digit** button on the remote control handset. The selected program number and TV station now appear on the screen.
- Press a different **digit** button to make another selection.

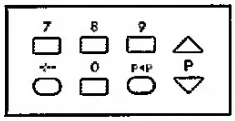


To select TV stations using progrem numbers 10 to 59

- Press the -/-- button.

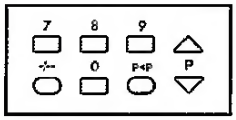
P-- is displayed on the screen.

- Press **two** appropriate **digit** buttons. The selected program number and TV stetion now appear on the screen.
- Repeat the above procedure to make another two-digit program selection.



To select e lower or higher program number

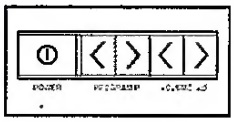
- Press the ▽ P button to select a **lower** program number.
- Press the △ P button to select a **higher** program number.



To select the previously used program number

- Press the P◁P button to select the previous program number.

To select TV stations using the TV buttons



- Press the 〈 P program button to select a **lower** program number.
- Press the 〉 P program button to select a **higher** program number.

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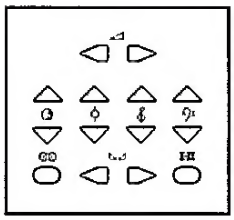
Operating the TV

To chenge the picture and sound settings
(When the TV is first switched on the picture and sound settings are always at preferred or 'personal preference' values).

Sound settings
To change the volume
- Press the ◁ button to decrease the volume.
- Press the ▷ button to increase the volume.

To change the treble setting
- Press the △ button to increase the amount of treble in the sound.
- Press the ▽ button to decrease the emount of treble in the sound.

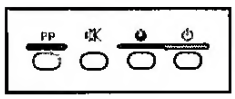
To change the bass setting
- Press the △ button to increase the amount of bass in the sound.
- Press the ▽ button to decrease the emount of bass in the sound.



To change the balance of the sound
- Press the ◁ button to increese the sound directed to the left loudspeaker.
- Press the ▷ button to increase the sound directed to the right loudspeaker.

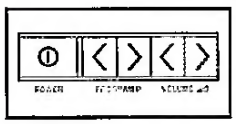
Picture settings
To change the colour intensity
- Press the △ button to increase the colour intensity.
- Press the ▽ button to decrease the colour intensity.

To chenge the brightness
- Press the △ button to increase the brightness.
- Press the ▽ buttton to decrease the brightness.

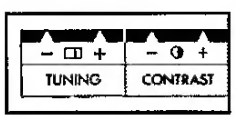


To return to the personal preference settings
- Press the **PP** button.

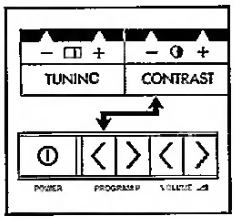
TV To change the picture end sound settings using the TV buttons



To chenge the volume of the sound
- Press the 〉button to increase the volume.
- Press the 〈 button to decrease the volume.



To change the contrast of the picture
- Open the control-panel flap on the TV.
- Press the + button to increase the amount of contrast.
- Press the — button to decrease the amount of contrast.
- Close the control-penel flep on the TV.



TV and To select protected switch on mode
(Sometimes you may want to prevent other people switching on your TV when you are not present.)

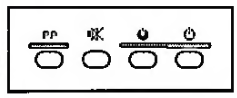
- Open the control panel flap on the TV.
- Press the 〈 **P** and — ◑ contrast button simultaneously, with the TV switched on.

The TV then switches off, end the RED colour is displayed on the lamp located below the screen.

- Close the control-panel flap on the TV.
- The TV can now **only** be switched on by pressing e **digit** button on the remote control handset (which you can put away safely until you want to use the TV again).

To eelect stend-by mode
The TV can be put into stand-by mode in three weys:

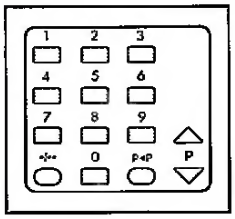
1. Directly
- Press the ⏻ button. The RED colour is displeyed on the lamp located below the screen, and the TV is put into stand-by mode.



2. Using the timer
(With this method you can select a time period after which the TV switches to stand-by mode)
- Press the ⏻ button until the required time period is displeyed on the screen (the time period can be set in steps of 15 minutes starting from 90 minutes).

During the final minute of the selected time period, '01' is displayed on the screen informing you that the TV is going to switch to stand-by mode. At the end of this time period the TV switches to stand-by mode end the RED colour is displayed on the lamp loceted below the screen.

3. Automatically
Approximately 15 minutes after a TV station stops broadcasting ('closedown') then the TV switches itself automatically to stand-by mode.



TV or To switch on the TV from stand-by mode
- Press a **digit** button on the remote control handset so that a program number is selected.

or,
- Press the 〈 **P** or 〉**P** button located on the front of the TV.

The RED colour lamp (located below the screen) changes to GREEN when the TV is switched on from stand-by mode.

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Operating the TV

To select the sound system
There are three sound system possibilities:

1. DUAL sound
This means that if DUAL I is displayed on the screen that a TV broadcast is being transmitted in two languages.

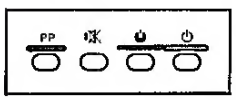
To select the second language
- Press the I-II button to hear the second language. DUAL II is then displayed on the screen.
- Press the I-II button again to return to the original language broadcast. (DUAL I is again displayed on the screen.)

2. STEREO sound
This means that if STEREO is displayed in GREEN on the screen that the TV broadcast is being transmitted with stereo sound.

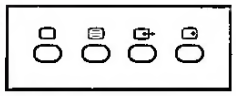
To select MONO sound (when the TV broadcast is in stereo)
- Press the I-II button. STEREO is displayed in RED on the screen (the sound is now MONO).
- Press the I-II button again to return to the original stereo sound broadcast. STEREO is again displayed in GREEN on the screen.

3. SPATIAL sound
This special sound effect can be used to change the sound-quality of a TV broadcast.

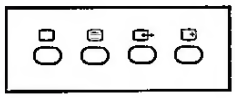
To select SPATIAL sound
- Press the GD button to hear the spatial sound effect.
GD is displayed on the screen.
- Press the GD button again to switch off the spatial sound effect.
GD is removed from the screen.



To switch off the sound
- Press the button to switch off ('mute') the sound.
is displayed on the screen.
- Press the button again to switch the sound on.
is removed from the screen.



To display picture and sound information
(The 'On-Screen-Display' allows you to see the information stored for a particular program number and TV station.)
- Press the button to display the information on the screen.
- Press the button again to switch off the information display.



To display additional picture and sound information
- Press and continue to hold the button until additional information is displayed on the screen.

If you now make changes to the picture and sound using the appropriate buttons, then a **moving bar** is displayed which represents these changes as they are being made.

- Press the button again to switch off the additional information display.

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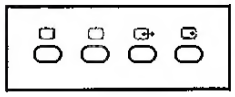
Additional features

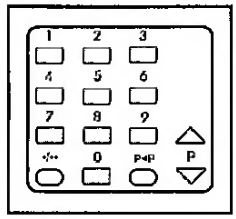
(This information only applies if your TV is able to receive Teletext.)

Teletext - is an information system that displays text on your TV screen. Using the Teletext information system you can select a page of information on a subject that is available in its list of contents (index).



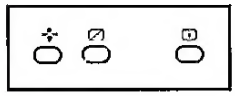
To operate Teletext
- Select a TV station on which Teletext is being transmitted (check with a TV programme guide).
- Press the ▤ button. Usually the list of contents (index) is displayed on the screen.

The following procedures apply only after Teletext has been selected:

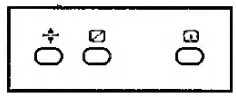


To select a page of Teletext
- Press the appropriate **digit** buttons for the required Teletext page number.

The selected page number is displayed at the top left corner of the screen. The Teletext page counter searches until the selected page number is located, so that the required information is displayed on the screen.

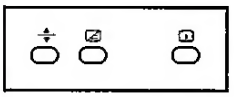


To return to the Indax page
- Press the ⓘ button to directly select the index page.
- Alternatively select the page number of the index (e.g. page 100).



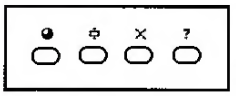
To select Teletext with a TV programme
- Press the ◪ button. The text is now superimposed over the TV programme on the screen.
- Press the ◪ button again to return to the Teletext page.

To switch between Teletext and the TV programme
- Press the ✕ button. The TV programme appears, and ▤ is displayed in the top left corner of the screen.
- Press the ✕ button again to return to the Teletext page.



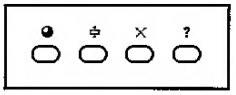
To select double height text
- Press the ⇳ button for the top half of the information page to be displayed in double height text.
- Press the ⇳ button for the bottom half of the information page to be displayed in double height text.
- Press the ⇳ button again for the full page of normal height text.

To reveal 'concealed' information
(Sometimes a Teletext page contains concealed information, for example in a quiz or puzzle.)



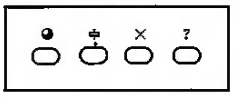
- Press the ? button. The concealed information is then displayed on the screen.
- Press the ? button again so that the concealed information is removed from the display.

To stop an automatic page-change
(More information may follow the page of Teletext you have selected; and it is automatically displayed after a short period of time).



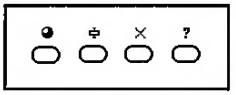
- Press the ⇳ button to stop the automatic page-change.
- Press the ⇳ button again so that the next page of text can be displayed.

To select a time-planned page
(You can select a page of Teletext information which can then be displayed on the TV screen at a certain time.)



- Select the required Teletext page.
- Press the ◕ button.
- Select the required time by pressing four **digit** buttons (e.g. 20.10).
- Press the ✕ button to return to a previously selected TV programme.

When the selected time is reached:



either,
The required Teletext page is ' superimposed over the TV programme.
- Press the ✕ button to remove the TV programme from the screen.

or,
The time is displayed in the top left corner of the screen.
- Press the ✕ button to display the Teletext page on the screen.

- Press the ◕ button to cancel this 'time-planned page' selection.

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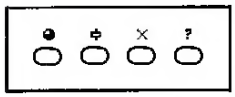
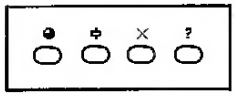
Additional features



To select a subcode page
(Subcode peges are sub-sections of long Teletext pages that can only be displayed on the screen one section at a time.)
- Select the required Teletext page.
- Press the ◕ button.
- Press e digit button (for the required subcode page).
- If the subcode page is not immediately available then press the ✕ button to return to the TV programme. When the subcode page becomes eveilable the subcode number is displayed in the top left corner of the screen.



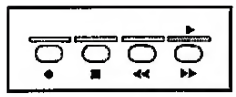
- Press the ✕ button to display the subcode page.

note: Time-planned and subcode pages are only available with certain pages on some Teletext broadcasts.

To select e Teletext subtitled TV programme
(Subtitles can only be displayed on the screen if the TV station adds this facility to the TV programme - check with a TV programme guide.)
- Select the Teletext page indicated in the TV programme guide.

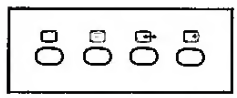
The TV programme with subtitles now appears on the TV screen.

To 'fast' select Teletext peges
(Sometimes a page of Teletext information can be selected quickly.)

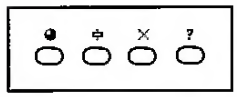


- The next sequential page of Teletext information cen be selected by pressing the RED button (e.g. page 101 can be selected after page 100).

or,
The subject-heeding for the information may have a particular colour, or can be placed inside a coloured box.
- Press an appropriate RED, GREEN, YELLOW or BLUE button.

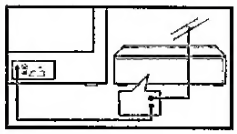


To exit Teletext
- Press the ▢ button. The previously selected TV station appears again on the screen.



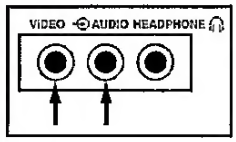
To display the time
- Press the ◕ button. The current time is displayed in the top right corner of the screen. (e.g. 21.00).
- Press the ◕ button again to remove the time display.

note: The time can only be displayed when Teletext is available on the selected TV station.



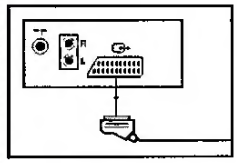
To connect a video recorder
(First you must refer to the operating manual supplied with your video recorder for connection details.)
- Switch off the TV before connecting the video recorder.
- Connect the TV aerial cable to the 'IT' input on the video recorder.
- Connect one side of the cable supplied with the video recorder to the TV output of the video recorder and the other side of the cable to the 'IT' input of the TV.

Additionally,



- A video recorder or camcorder can be connected at the video/audio input sockets (cinch type) at the front of the TV for 'playback' of tapes only.

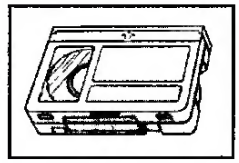
or,



- The video recorder can also be connected at the Euroconnector socket at the back of the TV (a support-bracket is also provided for the Euroconnector cable on the back of the TV). The Euroconnector gives the advantage of stereo sound reproduction from a suitable video recorder.

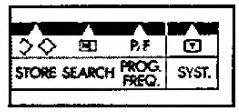
note: To obtain an optimal sound and picture signal we advise thet you do not connect the video/audio input sockets and the Euroconnector simultaneously.

To store the video recorder signal on a program number
(After you have connected the video recorder to the 'IT' socket you can store the video recorder signal on a program number.)
- Switch on the TV.
- Open the control-panel flap on the TV.

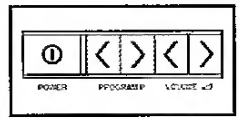


1. Insert a pre-recorded tape in the video recorder, and press the 'PLAY' button on the video recorder.

2. Press the ◇ ◇ button so that the program number information is displayed.



3. Press the ⏭ button so that the TV automatically searches for the video signal. If necessary press this button again until the video signal is located.



4. Select an available program number by pressing the ❮ P or ❯ P program button on the TV.

5. Press the ◇ ◇ button to store the video signal on the selected program number.

6. Press the 'STOP" button on the video recorder.

- Close the control-panel flap on the TV.

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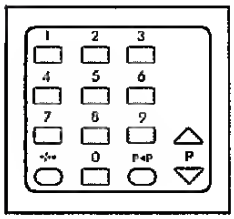
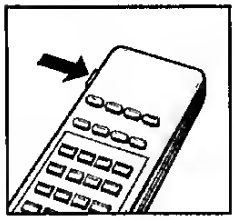
Additional features



To eelect the program number for the video recorder signal

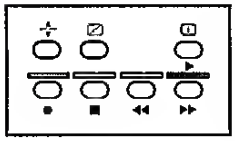
- Press the appropriate digit button (for the program number on which the video signal has been stored).
- To return to normel TV operation press another **digit** button to select a TV station.

If the Euroconnector or video/audio Input sockets are used then refer to the section 'to select the device signal'.



To operate e video recorder ueing the remote control handset
(The following Information only applies If your video recorder uses the RC5 system for the remote control hendset.)

- Press and continue to hold the button located on the side of the remote control handset before selecting eny of the following functions:

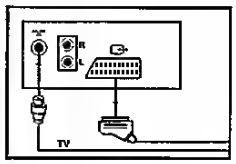


- Press the ▶ button to 'PLAY' the video cassette.
- Press the ● button to 'RECORD' on the video cassette.
- Press the ■ button to 'STOP' the video cassette.
- Press the ◀◀ button to 'REWIND' the video cassette.
- Press the ▶▶ button to 'FAST FORWARD' the video cassette.

To connect other devices
e.g. computer, TV game, LaserVision player.
(First you must refer to the operating manual supplied with the device.)

either,
A device with video (CVBS) output can be connected to the video/audio input sockets located on the front of the TV.

or,
A device with a Euroconnector can be connected to the Euroconnector socket located at the back of the TV (a support bracket is provided for the Euroconnector cable on the back of the TV).



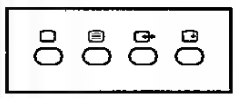
or,
A device can be connected to the "II" socket located at the back of the TV.

- Switch off the TV.
- Connect the device.

To select the device signal

- Switch on the TV.

If the video/audio input sockets are used then:



- Press the ⇥ button so that the device signal is received and EXT 1 is displayed on the screen.

If the Euroconnector is used then the device signal is available in either EXT 1 or EXT 2 mode:

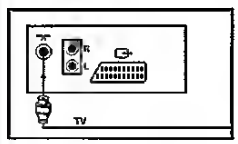
- Press the ⇥ button so that EXT 1 is displayed on the screen.

or,

- Press the ⇥ button again so that EXT 2 is displayed on the screen.

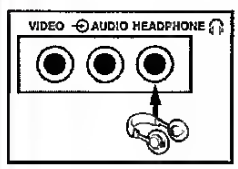
- To return to normal TV operation press the ▭ button.

note: Certain devices connected to the Euroconnector socket will automatically switch the TV to receive the external signal.



If the "II" socket is used then the signal must be stored on a program number before it can be selected (refer to the section 'to store the video recorder signal on e progrem number').

To connect headphones
(The headphones used must be 8 to 1000 ohm, and 6.3 mm in diameter.)



- Connect the headphones jack-plug to the 🎧 socket located on the front of the TV.

note: the loudspeakers are switched off automatically when the headphones are connected.

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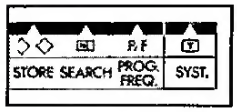
General information

TV and Teletext To store TV stations directly

(First you must know the frequency on which the TV station is being transmitted.)

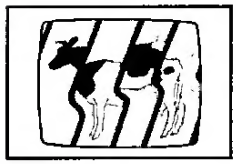
- Open the control-panel flap on the TV.



1. Press the P/F button to switch to frequency setting.
2. Select the frequency using three digit buttons on the remote control handset (e.g. to select channel E4; the digit buttons 062 must be pressed, and to select channel 69; the digit buttons 855 must be pressed).
3. Press the ◇ ◇ button to display the program number information.
4. Select a program number using the digit buttons on the remote control handset.
5. Press the ◇ ◇ button to store these chenges.
6. Press the P/F button to switch to program number setting.

- Close the control-panel flap on the TV.

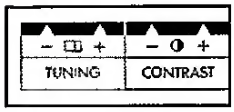
TV To fine tune the picture quality



(The picture from a TV station or a device such as a video recorder may be effected by interference, e.g. from other strong signal sources.)

The picture quality may be improved using the following method:

- Open the control-panel flap on the TV.

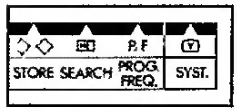


1. Press the ◇ ◇ button to display the program number information.
2. Press the — ☐ or + ☐ button, and release it immediately, so that the picture is fine tuned.
3. Press the ◇ ◇ button to store these changes.

- Close the control-panel flap on the TV.

TV and Teletext To change the personal preference (PP) values

- Open the control-panel flap on the TV.



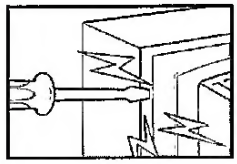
- Press the ◇ ◇ button on the TV to display the program number information.
- Change the picture end sound settings (e.g. volume, contrast) using the remote control handset or TV controls.
- Press the ◇ ◇ button on the TV to store these changes. The program number information is now removed from the screen.

- Close the control-panel flap on the TV.

TV To clean the TV screen

- It is possible to clean the TV screen using a slightly damp chamois leather. Never use aggressive cleaning agents.

Fault indication



IMPORTANT: Never attempt to repair a broken TV yourself; always consult a skilled TV service engineer.

If the TV does not give the desired picture or sound quality after switching on then check that:
- the aerial is connected properly.
- all controls and buttons are selected correctly.
- the selected TV station is not 'closed-down'.
- the TV is not incorrectly switched to EXT 1 or EXT 2.
- the sound is switched on (not 'muted').

switch off the TV if:
- indications F0, F1, F2, F3, F4, F5, F6, or F7 are displayed on the screen.
- a bright white line is displayed across the screen.

Technical specification

Frequency ranges (depending on model supplied): refer to the table of TV system frequencies.
Selectable program numbers (for TV stations and devices): 60
Selectable TV systems (depending on model supplied): PAL-I, SECAM L, SECAM B+G, PAL B+G
Tuning and control system: PLL (phase locked loop)
Remote control receiver type: RC5
Sound reception: MONO/STEREO/DUAL
Connectors: Euroconnector, video/audio (cinch type), headphones (6.3 mm).
Safety: IEC 65
Voltage requirements: 220/240 V ~ ±10%, 50 Hz

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Notes

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GB	**IDENTITY CARD**	This card, together with the terms of guarantee (to be provided by your dealer), forms the full certificate of guarantee for this appliance
D	**GERÄTE-KENNKARTE**	Diese Karte ist, zusammen mit den Garantiebestimmungen, die Ihr Handler Ihnen aushandigt, Ihr Garantieschein fur dieses Gerat.
F	**CARTE D'INDENTIFI-CATION**	Associée aux conditions de garantie (qui vous sont remises par le revendeur), cette carte constitue le certificat de garantie de cet appareil
NL	**INDENTIFI-CATIEKAART**	Deze kaart vormt, samen met de garantievoorwaarden (welke door uw dealer verstrekt worden), het garantiebewijs voor dit apparaat
I	**CARTE D'IDENTIFI-CAZIONE**	Questa cartolina rappresenta insieme alle condizioni di garanzia (da consegnare dal vostro rivenditore) il documento di garanzia per questo apparecchio
E	**TARJETA DE INDENTIFICACIÓN**	La garantía de este aparato se compone de esta tarjeta y de las condiciones de garantía que le entregará su concesionario
P	**CARTÃO DE INDENTIFICAÇÃO**	Este cartão, em conjunto com as condições de garantia em vigor (explicadas pelo seu vendedor) constituem o certificado de garantia do seu aparelho
DK	**I.D. KORT**	Dette kort, udfyldt af Deres forhandler er tilstrækkelig garantidokumentation for dette apparat
N	**IDENTIFIKA-SJONSKORT**	Dette kort, sammen med garantibetingelsene (som De får av forhandleren) utgjør garantibeviset for dette apparat
S	**IDENTIFIERINGS-KORT**	Detta kort tillsammans med garantivillkoren, som Du får av radiohandlaren, utgör ett fullständigt garantibevis för denna produkt
SF	**TUNNISTUS-KORTTI**	Tämän laitteen takuutodistus muodostuu tästä kortista ja takuuehdoista (jälleenmyyjä antaa mukaan)
GR	**ΔΕΛΤΙΟ ΤΑΥΤΟΤΗΤΑΣ**	Η καρτέλλα αυτη μαζί με τους ορους εγγυησεως ητου θα προμηθευθειτε απο το καταστημα που αγορασατε την συσκευη αποτελουν το πληρες η αποδειτικο εγγυησεως της συσκευης σας

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